



## *Cedar Water Treatment Facility*



## *Dedication*

Friday, October 8, 2004

10 a.m. – 11 a.m. Dedication Ceremony  
11 a.m. – Noon Tour and light lunch

at the Lake Youngs Reservation  
18015 SE Lake Youngs Road  
Renton, WA 98056

The new Cedar Water Treatment Facility is the largest facility in the United States to use state-of-the-art ozonation and ultraviolet (UV) light treatment to treat drinking water, ensuring that our customers receive the highest quality water at the best price.

Seattle Wholesale Water Customers are invited to join Seattle Public Utilities and CH2M Hill and OMI in this celebration. Please RSVP to Estelle Eccles at 425-453-5005, x5065, upon receipt of this newsletter, and let us know if you will be joining us for the ceremony, the tour, lunch or all three.

Visit the Cedar Water Treatment Facility's website at <http://projects.ch2m.com/cedarps/>



## **Water Supply Outlook**

Our water supply situation is very good. As of September 27th, cool and very wet weather has persisted in the Puget Sound area and Cascade Mountains since the end of August, resulting in relatively high inflows to our reservoirs as well as in other major river systems in western Washington for this time of the year. Rainfall in the Tolt Watershed is already more than double the normal accumulation for the month of September, and the rainfall in the Cedar Watershed is also well above normal. Chester Morse Lake's water surface elevation rose approximately 1.2 feet over the week, and is currently at 1554.0 feet, about 6.0 feet above the average for this time of year. The South Fork Tolt Reservoir is at 1749.9 feet, having risen a surprising but quite welcome 7.1 feet over the week, and is now at about 7 feet above average! Streamflows below SPU facilities on the Cedar and South Fork Tolt rivers will continue to be held above guaranteed normal minimum flow levels for the week ahead.

Water consumption for the 7-day period ending September 26 averaged 136 mgd. That average is somewhat less than the 149 mgd consumed during the same period last year, and also less than the average of 165 mgd used during the same period over the years 1994-2000. Peak day consumption this summer was 247 mgd.



## Water Quality Technical Forum Report

### Chlorine Residual and Coliform Data from August 2004

There were no positive coliform samples in purveyor areas during August 2004. Average chlorine residual concentrations in the purveyor distribution systems ranged from 0.6 to 1.2 mg/L during August, with an overall average of 0.8 mg/L. The target residual at the Tolt Treatment facility is 1.5 mg/L and the Cedar target residual was 1.6 mg/L during August, but has been lowered to 1.3 mg/L as of September 17th.

### Taste and Odor

The taste and odor panel is still meeting weekly. Samples are rated on a scale from 1 to 9, with 1 representing the best and 9 representing the worst. The taste and odor flavor rating assessment (FRA) for the most recent Cedar distribution sample was 2.2, with a slight chlorinous taste. Overall, ozone at the new Cedar Water Treatment Facility has been very effective at reducing the FRA from Lake Youngs. The Tolt supply was 1.5 with a chlorinous taste. If you would like to receive a weekly update of the taste and odor panel results, please e-mail Moya Joubert at [moya.joubert@seattle.gov](mailto:moya.joubert@seattle.gov).

### Cedar Water Treatment Facility and LAF Status

Seattle Public Utilities has received concurrence from EPA that the Cedar supply system qualifies for Limited Alternative to Filtration status. SPU will be working with DOH to determine an exact date when the status is effective, and will be resolving the Agreed Order for the Cedar system very soon. The Cedar Water Treatment Facility has completed the Acceptance Test and has begun the operations phase.

### Disinfection By-Products

Third quarter monitoring has been completed, and results indicate all samples were well below the MCLs for THMs and HAA5. Purveyors should be receiving these results within the next week. SPU Contact: Wylie Harper, 206 684-7880 or Lynn Kirby, 206 684-0216.



## Conservation Technical Forum Summary

On the web at <http://www.savingwater.org>  
**MARKETING**

### Lawn Watering Advertising Campaign bringing big hits to Savingwater.org

Advertising for the summer lawn watering and sprinkler rebate promotion has attracted over 2,220 visits to the lawn-watering page in just the first two weeks of August. These numbers nearly equal the number of visits to the Savingwater.org home page. More than 50% of the visits to the sprinkler page are coming from the KOMO, KING and KVI radio and KOMO TV web sites where a radio campaign promoting efficient lawn watering and special sprinkler rebates have been airing. CONTACT: Cornell Amaya, 206-386-1170

### New Savingwater.org Web site scheduled to go live next week

A new look and organization to the popular savingwater.org web site is scheduled to go live the first week of September. The web site has been revamped to address ease of use factors for customers. CONTACT: Cornell Amaya, 206-386-1170

### YOUTH EDUCATION

#### Waterbuster Game Gets High Marks from Kids

The on-line version of the Waterbusters game has been the top of site visited this summer on

the savingwater.org web site. Based on data that has been monitored, this is due to a promotional ad featuring Bert the Salmon and Phil Dumpster that began in June and is being aired on KCPQ and WB. Trends show that game play triples on Saturday mornings during cartoon programming. It is estimated that about 10% of the kids are bookmarking the game and playing it multiple times. Waterbusters is a conservation game that challenges users to solve a series of water wasting challenges in and around a virtual home.

CONTACT: Mike Mercer, (206) 684-0570

## **RESIDENTIAL INDOOR**

### **WashWise**

The efficient clothes washer program continues to attract customers. Through August, 4,342 SWP customers received rebates for purchasing efficient machines in 2004. 39% of the customers have been from wholesale customer's areas. Currently, the WashWise rebate is \$50, \$75, or \$100, with higher rebates for more efficient machines. This year, 43% of the rebates have been for the highest (\$100) tier three, 39% of rebates from tier two (\$50), and only 18% from tier one (\$50). This numbers will help guide the rebate level(s) for 2005. Since May of 1997, 45,000 have received WashWise rebates, saving an estimated 629,000 gallons of water per day.

CONTACT: David Broustis, (206) 684-4150

### **EPA Considers Clothes Washer Water Factor**

EPA recently accepted comments for 2007 revisions to its Energy Star clothes washer designation. SPU worked closely with the Consortium for Energy Efficiency (CEE) to recommend a water factor to be included for Energy Star washers. When CEE formally presented its Energy Star washer recommendations to EPA, a water factor was

included. If accepted, the water factor would be a significant milestone, and an efficiency improvement over baseline existing WashWise rebated machines. CEE also recommended three tiers of efficiency, with very aggressive water and energy factors for the highest tier. CONTACT: David Broustis, (206) 684-4150

### **Multifamily Toilet Replacement**

Through August, a total of 2,496 toilets have been replaced through the rebate program this year. 38% of the rebates have been issued in wholesale customer's areas, heavily influenced by projects completed by King County Housing Authority. The current program is ending at the end of October. The program is currently working to secure a vendor who can supply a "free" toilet option for the program at a cost equal to or less than current rebate. The plan is to rollout a new version of the program by the beginning of 2005.

CONTACT: David Broustis, (206) 684-4150

## **RESIDENTIAL LANDSCAPE**

### **Revised Waterwise Landscape Video Now Available**

The 12-minute waterwise gardening video produced in 1997 has been revised. We updated some obsolete information about demonstration gardens and added information about the Naturals guides and the Natural Lawn & Garden Hotline. The revised edition is being run on Seattle's cable TV station. Purveyors can contact Nota if they'd like a version to run on their cable station or tapes for regular video use.

CONTACT: Nota Lucas (206) 684-5855

### **Plant Lists Being Developed**

A plant list brochure is being developed as a companion to "Choosing the right Plants". Staff is working with Great Plant Picks and

Piriformis Nursery to come up with the initial listing. We plan to have it completed by the October 23 class on gardening and drought taught by Marianne Binetti.

CONTACT: Nota Lucas (206) 684-5855

#### **Natural Lawn & Garden Guide Evaluation**

In August we launched an evaluation of the Naturals guides. A postcard with several questions is being sent to customers of the Hotline who receive Natural guides this gardening season between April and September. The questions target usefulness of the guides and whether the information prompted a change in gardening practices. Hotline staff will tally responses and we expect to have the results in October.

CONTACT: Nota Lucas (206) 684-5855

#### **COMMERCIAL**

##### **Waterless Urinals**

Falcon, one of four manufacturers of no water urinals has begun to replace a large number of their old urinals throughout the region due to some customer dissatisfaction on performance. The company hopes the new units will quiet complaints that have centered on the product life of the replaceable cartridges, the key component allowing the urinal to operate without water. No water urinals can save considerable amounts of water and are simple to maintain, and are gaining in popularity here and around the country.

CONTACT: Phil Paschke, (206) 684-5883

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